

## DATASHEET

### PART NUMBER

## WES599-SSCN

**Wescon 599 Stainless Steel Microstop - 1/4-28 -  
5/8" Cutter Capacity - Slotted Straight Cutaway  
Nylon Foot**

10 DEGREE PIVOTING SHAFT (SWIVEL SHAFT) / HIGH  
SPEED HEAVY DUTY STAINLESS STEEL

### WEBSITE

<https://www.wesconusa.com/products/WES599-SSCN>



\* The image represents the general look of the series. Actual product may vary based on options selected.

The Wescon 599 Series Microstop is the stainless steel version of the 598, a high speed, heavy duty microstop countersink cage with a 10 degree pivoting shaft that angles into hard-to-reach holes a straight shaft cannot reach. Stainless steel construction makes it more durable and corrosion resistant than the standard alloy unit. It has dual ball bearings rated to 10,000 rpm, heavy duty thrust bearing, integrated dust seal and solid stop, 0.300 in (7.60 mm) of shaft travel and 0.0005 in (0.013 mm) incremental adjustment on a 1/4 in shaft. Swivel shafts are offered in round, tri-flat (TF) and quick change (QC) styles with 1/4-28, M6x1 or M8x1 cutter threads, twelve skirt styles, and nylon, steel or phenolic feet.

## SPECIFICATIONS

|                           |                                     |
|---------------------------|-------------------------------------|
| Measurement Type          | Imperial                            |
| Bearing Rating            | 10,000 rpm                          |
| Bearing Type              | Dual Ball Bearings                  |
| Heavy Duty Thrust Bearing | Yes                                 |
| Incremental Adjustment    | 0.0005 in                           |
| Shaft Travel              | 0.300 in                            |
| Dust Seal                 | Integrated Dust Seal                |
| Cutter Thread             | 1/4-28                              |
| Shaft                     | Round - Pivoting / Swivel Shaft     |
| Shaft Diameter            | 1/4 in                              |
| Cutter Capacity           | 5/8 in                              |
| Skirt                     | Slotted Straight Cutaway Nylon Foot |

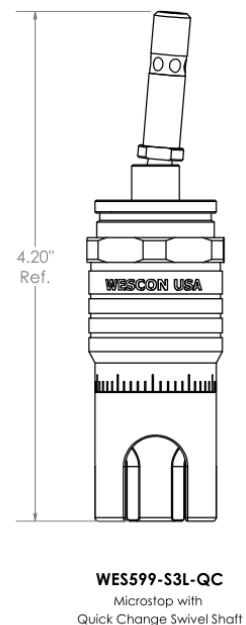
|                          |                                           |
|--------------------------|-------------------------------------------|
| <b>Skirt Description</b> | 1 in OD 0.69 in ID 5/8 in Cutter Capacity |
| <b>Solid Stop</b>        | Yes                                       |
| <b>Material</b>          | Stainless Steel                           |
| <b>Country of Origin</b> | USA                                       |

WES599-SSCN  
September 09, 2026

## Page 3 of 6

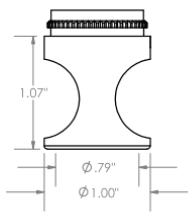


| Code    | Shaft Option              |
|---------|---------------------------|
| (Blank) | Round Swivel Shaft        |
| QC      | Quick Change Swivel Shaft |
| TF      | Tri Flat Swivel Shaft     |

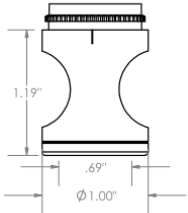


|             |                              |                                                            |
|-------------|------------------------------|------------------------------------------------------------|
| Revision 07 | All dimensions are in Inches | Information in this drawing is provided for reference only |
|-------------|------------------------------|------------------------------------------------------------|

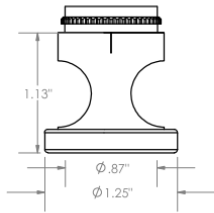
Skirt Option



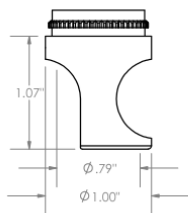
**S**  
Straight  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



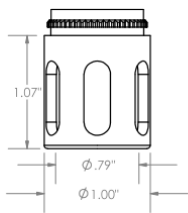
**I**  
Internal Thread\*  
Cutter  $\phi 5/8"$  ( $\phi 15\text{mm}$ )



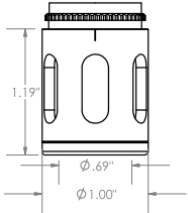
**E**  
External Thread\*  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



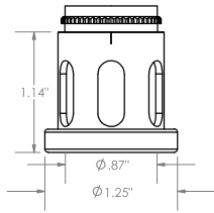
**SCA**  
Straight Cutaway  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



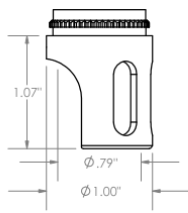
**SL**  
Slotted  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



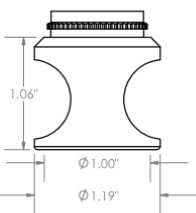
**SI**  
Slotted Internal Thread\*  
Cutter  $\phi 5/8"$  ( $\phi 15\text{mm}$ )



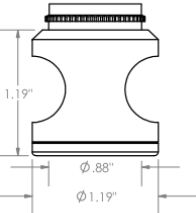
**SE**  
Slotted External Thread\*  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



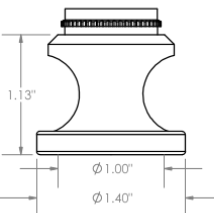
**SSCA**  
Slotted Straight Cutaway  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



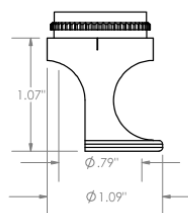
**B**  
Bell  
Cutter  $\phi 7/8"$  ( $\phi 22\text{mm}$ )



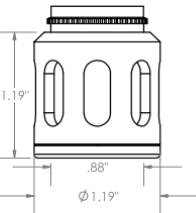
**BI**  
Bell Internal Thread\*  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



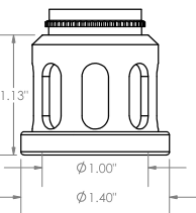
**BE**  
Bell External Thread\*  
Cutter  $\phi 7/8"$  ( $\phi 22\text{mm}$ )



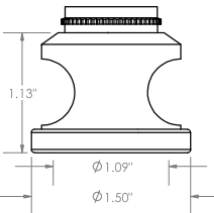
**FCA**  
Flanged Cutaway  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



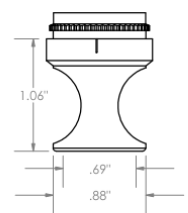
**SBI**  
Slotted Bell Internal Thread\*  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



**SBE**  
Slotted Bell External Thread\*  
Cutter  $\phi 7/8"$  ( $\phi 22\text{mm}$ )



**BWE**  
Bell Wide External Thread\*  
Cutter  $\phi 1"$  ( $\phi 25\text{mm}$ )



**S-875**  
Straight 0.875 in OD  
Cutter  $\phi 5/8"$  ( $\phi 15\text{mm}$ )



Part Number

**WES599**

\*Select foot style from table  
Continued In Next Page.

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Wescon 599 Microstop

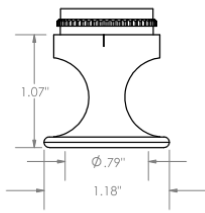
Revision 07

All dimensions are in Inches

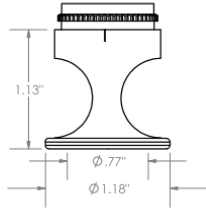
Information in this drawing is provided for reference only

Image 2

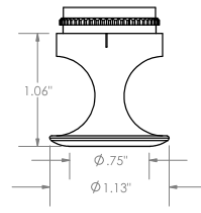
## Skirt Option (Continuation)



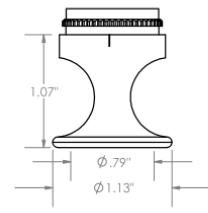
**F**  
Flanged  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



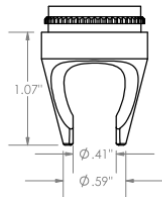
**FH**  
Flanged High  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



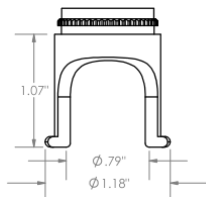
**SF**  
Spherical Flanged  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



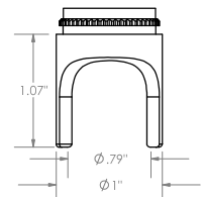
**F-1125**  
Flanged 1.125 in OD  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



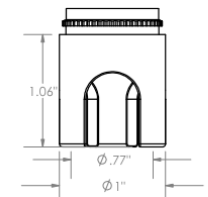
**C**  
Close Quarters  
Cutter  $\Phi 3/8"$  ( $\Phi 10\text{mm}$ )



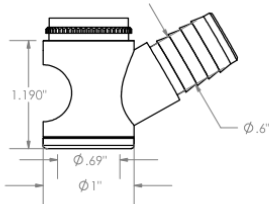
**F2L**  
Flanged 2-Leg  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



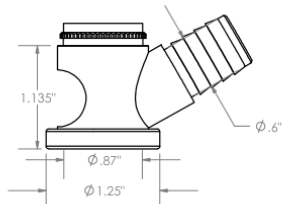
**S2L**  
2-Leg  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



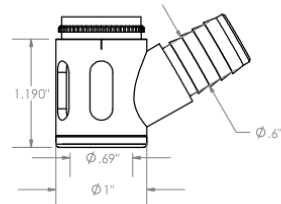
**S3L**  
3-Leg  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



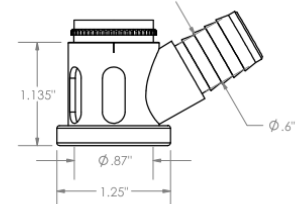
**WVI**  
Vacuum Internal Thread\*  
Cutter  $\Phi 5/8"$  ( $\Phi 15\text{mm}$ )



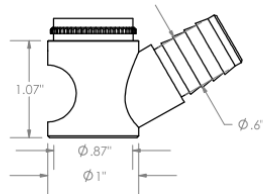
**WVE**  
Vacuum External Thread\*  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



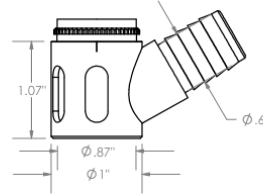
**SVI**  
Slotted Vacuum Internal Thread\*  
Cutter  $\Phi 5/8"$  ( $\Phi 15\text{mm}$ )



**SVE**  
Slotted Vacuum External Thread\*  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



**WVS**  
Vacuum Straight  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



**SVS**  
Slotted Vacuum Straight  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )

\*Select foot style from table

Revision 07

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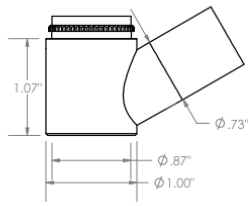
Part Number

**WES599**

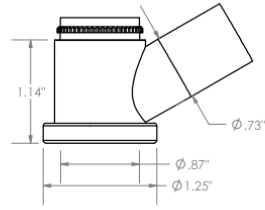
**Wescon 599 Microstop**

Image 3

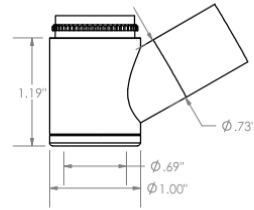
## Skirt Option



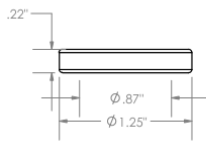
**VS**  
Vacuum Straight  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



**VE**  
Vacuum External Thread\*  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )

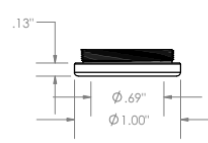


**VI**  
Vacuum Internal Thread\*  
Cutter  $\phi 5/8"$  ( $\phi 15\text{mm}$ )



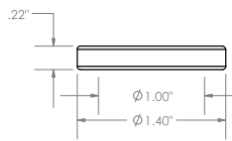
| Part Number | Material |
|-------------|----------|
| 59631-N     | Nylon    |
| 59631-S     | Steel    |
| 59631-P     | Phenolic |

**Foot Style For External Thread**



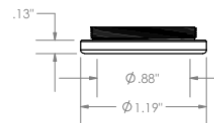
| Part Number | Material |
|-------------|----------|
| 59620-N     | Nylon    |
| 59620-S     | Steel    |
| 59620-P     | Phenolic |

**Foot Style For Internal Thread**



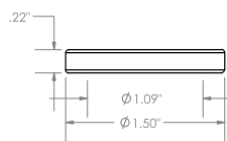
| Part Number | Material |
|-------------|----------|
| 59641-N     | Nylon    |
| 59641-S     | Steel    |
| 59641-P     | Phenolic |

**Foot Style For Bell External Thread**



| Part Number | Material |
|-------------|----------|
| 59640-N     | Nylon    |
| 59640-S     | Steel    |
| 59640-P     | Phenolic |

**Foot Style For Bell Internal Thread**



| Part Number | Material |
|-------------|----------|
| 59651-N     | Nylon    |
| 59651-S     | Steel    |
| 59651-P     | Phenolic |

**Foot Style For Bell Wide External Thread**

\*Select foot style from table

Revision 07

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Part Number

**WES599**

**Wescon 599 Microstop**

Image 4